



AUG 22 2003

TECH CENTER 1600/2900

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/451,739F  
Source: 1600  
Date Processed by STIC: 8/19/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

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1600

## RAW SEQUENCE LISTING

DATE: 08/19/2003

PATENT APPLICATION: US/09/451,739F

TIME: 15:18:33

Input Set : A:\LUD 5615 - Sequence Listing.txt

Output Set: N:\CRF4\08192003\I451739F.raw

1 <110> APPLICANT: Jager, Dirk  
 2 Scanlan, Matthew  
 3 Gure, Ali  
 4 Jager, Elke  
 5 Knuth, Alexander  
 6 Old, Lloyd  
 7 Chen, Yao-tseng  
 9 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated  
 Antigens,  
 10 the Antigens per se, and Uses Thereof  
 12 <130> FILE REFERENCE: LUD 5615  
 14 <140> CURRENT APPLICATION NUMBER: 09/451,739F  
 16 <141> CURRENT FILING DATE: 1999-11-30  
 18 <160> NUMBER OF SEQ ID NOS: 19

## ERRORED SEQUENCES

*don't use "CDS" It denotes a coding sequence*  
 357 <210> SEQ ID NO: 8  
 358 <211> LENGTH: 772  
 359 <212> TYPE: DNA  
 360 <213> ORGANISM: Homo sapiens  
 361 <221> NAME/KEY: CDS  
 362 <222> LOCATION: 689,714  
 363 <400> SEQUENCE: 8  
 364 aaagcgttct cggcggcagc gcaacaacta gaaccgtgag aacgcgtcca gcaaccgcga 60  
 366 cccacgacga cgtcacctcg ggcacgcccc aggagaagaa agcccagacc tctaagaaga 120  
 368 agcagggctc catggccaag gcgtagcggc aggcgtcccc cgcagacctc cccatcgacc 180  
 370 ccagcgcagcc ctccactctg gagatgatcc gctgcgacaa cgaatgcccc atcgagtggg 240  
 372 tccgcttctc gtgtgtgagt ctcaaccata aaccaaagcg caagtggtag tgttccagat 300  
 374 gccggggaaa gaacgatggg caaagccctt gagaagtcca gaaaaaaaac agggcttata 360  
 376 acaggtagtt tggggacatg cgtctaatag tgaggagaac aaaataagcc agtgtgttga 420  
 378 ttacattgcc acctttgctg aggtgcagga agtgtaaaat gtatatTTTT aaagaatggt 480  
 380 gttagaggcc gggcgcgggt gctcacgcct gtaatcccag cactttggga ggccgaggcg 540  
 382 gtcggatcac gaggtcagga gatcgagacc atcctggcta acacggtgaa acccgcctc 600  
 384 tactaaaaat tcaaaaaaaa aattagctag gcgtgggtggc gggcgcctgt agtccagct 660  
 W--> 386 attcgggagg ctgaggcagg agaattggnt gaacctggga ggtggagctt gcantgagcc 720  
 388 aaggtcgcgc cactgcactc cagcctgggc gacagagcga gactccatct ta 772  
 439 <210> SEQ ID NO: 15  
 440 <211> LENGTH: 2030  
 441 <212> TYPE: DNA  
 442 <213> ORGANISM: Homo sapiens  
 443 <221> NAME/KEY: CDS  
 444 <222> LOCATION: 1628, 1752, 1758, 1769, 1789, 1873, 1908, 1915, 1933, 1970, 1976, 2022  
 <223> ← insert, and explain "n's"

*pp 1-3*  
**Does Not Comply**  
**Corrected Diskette Needed**  
 <2207 insert this mandatory name identifier whenever  
 <2237 insert, and explain n's (what do they represent?)  
 <2217, <2227, or <2237 is shown

## RAW SEQUENCE LISTING

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Input Set : A:\LUD 5615 - Sequence Listing.txt

Output Set: N:\CRF4\08192003\I451739F.raw

OK> 445 <400> SEQUENCE: 15

446	ctcgtgccgt	taaagatggt	cttctgaagg	ctaactgcgg	aatgaaagtt	tctattccaa	60
448	ctaaagcctt	agaattgatg	gacatgcaaa	ctttcaaagc	agagcctccc	gagaagccat	120
450	ctgccttcga	gcctgccatt	gaaatgcaaa	agtctgttcc	aaataaagcc	ttggaattga	180
452	agaatgaaca	aacattgaga	gcagatgaga	tactcccata	agaatccaaa	caaaaggact	240
454	atgaagaaag	ttcttgggat	tctgagagtc	tctgtgagac	tgtttcacag	aaggatgtgt	300
456	gtttacccaa	ggctacacat	caaaaagaaa	tagataaaat	aaatggaaaa	ttagaagagt	360
458	ctcctgataa	tgatggtttt	ctgaaggctc	cctgcagaat	gaaagtttct	attccaacta	420
460	aagccttaga	attgatggac	atgcaaaact	tcaaagcaga	gcctcccag	aagccatctg	480
462	ccttcgagcc	tgccattgaa	atgcaaaaagt	ctgttccaaa	taaagccttg	gaattgaaga	540
464	atgaacaaac	attgagagca	gatcagatgt	tcccttcaga	atcaaaacaa	aagaaggttg	600
466	aagaaaattc	ttgggattct	gagagtctcc	gtgagactgt	ttcacagaag	gatgtgtgtg	660
468	tacccaaggc	tacacatcaa	aaagaaatgg	ataaaataag	tggaaaatta	gaagattcaa	720
470	ctagcctatc	aaaaatcttg	gatacagttc	attcttgtga	aagagcaagg	gaacttcaaa	780
472	aagatcactg	tgaacaacgt	acaggaaaaa	tggaaacaaat	gaaaaagaag	ttttgtgtac	840
474	tgaaaaagaa	actgtcagaa	gcaaaaagaa	taaaatcaca	gttagagaac	caaaaagtta	900
476	aatgggaaca	agagctctgc	agtgtgagat	tgactttaaa	ccaagaagaa	gagaagagaa	960
478	gaaatgccga	tatattaaat	gaaaaaatta	gggaagaatt	aggaagaatc	gaagagcagc	1020
480	ataggaaaga	gttagaagtg	aaacaacaac	ttgaacaggc	tctcagaata	caagatatag	1080
482	aattgaagag	tgtagaaagt	aatttgaatc	aggtttctca	cactcatgaa	aatgaaaatt	1140
484	atctcttaca	tgaaaattgc	atgttgaaaa	aggaaattgc	catgctaaaa	ctggaaatag	1200
486	ccacactgaa	acaccaatac	caggaaaagg	aaaataaata	ctttgaggac	attaagattt	1260
488	taaaagaaaa	gaatgctgaa	cttcagatga	ccctaaaact	gaaagaggaa	tcattaacta	1320
490	aaagggcatc	tcaatatagt	gggcagctta	aagttctgat	agctgagaac	acaatgctca	1380
492	cttctaaatt	gaaggaaaaa	caagacaaag	aaatactaga	ggcagaaatt	gaatcacacc	1440
494	atcctagact	ggcttctgct	gtacaagacc	atgatcaaat	tgtgacatca	agaaaaagtc	1500
496	aagaacctgc	tttccacatt	gcaggagatg	cttgtttgca	aagaaaaatg	aatgttgatg	1560
498	tgagtagtac	cgatatataa	caatgagggt	ctccatcaac	cactttctga	agctcaaagg	1620
W--> 500	aaatccanaa	gcctaaaaat	taatctcaat	tatgcaggag	atgctctaag	agaaaaataca	1680
502	ttggtttcag	gaacatgcac	aaagagacca	acgtgaaaca	cagtgtcaaa	tgaaggaagc	1740
504	tgaacacatg	tntcaaanng	aacaagatna	tgtgaacaaa	cacactgannc	agcaggagtc	1800
506	tctagatcag	aaattatttc	aactacaaag	caaaaatatg	tggcttcaac	agcaattagt	1860
508	tcatgcacat	aamgaaagct	gacaacaaaa	gcaagataac	aattgatntt	cattntcttg	1920
510	agaggaaaat	gncatcatc	ttctaaaaga	gaaaaatgag	gagatattnn	attachataa	1980
512	ccatttaaaa	aacccgtata	tttcaatatg	gaaaaaaaaa	anaaaaaaaaa		2030

*see p.3 for more errors*

09/454,239F 3

25325642.1 -11-

Delete at end of file  
(after sequence 19)

**VERIFICATION SUMMARY**PATENT APPLICATION: **US/09/451,739F**

DATE: 08/19/2003

TIME: 15:18:34

Input Set : **A:\LUD 5615 - Sequence Listing.txt**Output Set: **N:\CRF4\08192003\I451739F.raw**

L:25 M:283 W: Missing Blank Line separator, <220> field identifier  
L:29 M:283 W: Missing Blank Line separator, <400> field identifier  
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180  
L:87 M:283 W: Missing Blank Line separator, <400> field identifier  
L:133 M:283 W: Missing Blank Line separator, <220> field identifier  
L:134 M:283 W: Missing Blank Line separator, <400> field identifier  
L:166 M:283 W: Missing Blank Line separator, <400> field identifier  
L:202 M:283 W: Missing Blank Line separator, <400> field identifier  
L:262 M:283 W: Missing Blank Line separator, <220> field identifier  
L:263 M:283 W: Missing Blank Line separator, <400> field identifier  
L:310 M:283 W: Missing Blank Line separator, <400> field identifier  
L:363 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8  
L:363 M:283 W: Missing Blank Line separator, <400> field identifier  
L:386 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:386 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:8  
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:660  
L:395 M:283 W: Missing Blank Line separator, <400> field identifier  
L:403 M:283 W: Missing Blank Line separator, <400> field identifier  
L:411 M:283 W: Missing Blank Line separator, <400> field identifier  
L:419 M:283 W: Missing Blank Line separator, <400> field identifier  
L:427 M:283 W: Missing Blank Line separator, <400> field identifier  
L:435 M:283 W: Missing Blank Line separator, <400> field identifier  
L:445 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:15  
L:445 M:283 W: Missing Blank Line separator, <400> field identifier  
L:500 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:500 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:15  
L:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1620  
M:341 Repeated in SeqNo=15  
L:519 M:283 W: Missing Blank Line separator, <400> field identifier  
L:620 M:283 W: Missing Blank Line separator, <400> field identifier  
L:628 M:283 W: Missing Blank Line separator, <400> field identifier  
L:636 M:283 W: Missing Blank Line separator, <400> field identifier